

Test, Evaluation, And Maintenance Contract	Delivery Order # 5ID1004	Revision -
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1. General Scope of Work

1.1 Purpose and Objective

Manage and maintain the Propulsion Test Office facility systems, mobile, and ancillary equipment in accordance with WSI-PROP-20. This includes maintenance, operations, minor and remedial repairs of the systems (<5% of DO value); maintenance of files, instructions, O&M plans and the maintenance database; maintenance and replenishment of spares; configuration control and associated documentation; ensuring an adequate and trained workforce; correcting SIMS items not specified for future funding, responding to close calls, and monthly project reporting. Compliance with requirements such as pressure vessel certification, environmental and process safety, etc. as specified in WSTF Management System Manual is included. The low-pressure helium, nitrogen, breathing air, firex, propellant, warning light, PA, video and intercom systems will be operational on demand. The PDIDS system will be operational during normal working hours and as requested during off-shift hours. The DACS and DAS will be operational within 1 hour of notification. The remaining systems will be able to be operational in a reasonable amount of time once a project requires it.

2. Technical Requirements

2.1 Description of Work

This delivery order is divided into 2 sections, test area electrical, and DACS. Systems to be maintained under the DACS portion are the DACS production systems in buildings 300 and 400 the development system in building 101, the data analysis and distribution system (DADS), and propulsion department instrumentation data base system (PDIDS) which are subsystems of the DACS located in building 101. Manage the risks associated with computer systems security in accordance with JPG 2810.1, "Johnson Space Center Information Technology Security Handbook" and good business practices. These methods shall ensure that no corrupted data is released to customers and that access to these computer systems is provided to authorized users only. Hardware malfunctions that interrupt test operations must be acknowledged within 15 minutes. These should not typically require longer than six hours to restore operational capability. Maintenance on these systems includes keeping current with upgraded operating systems and third party software used in the operation of the systems. Specific upgrades to be negotiated with the Project Manager prior to the start of the new year. Preventive maintenance requiring systems to be out of service will be performed on a non-interference basis. System failures that occur outside of normal operating hours need not be responded to until the next normal duty day unless notification of an exception to this requirement is provided.

The systems to be maintained under electrical maintenance are the 300 and 400 area facility electrical support systems. Examples of facilities support systems include fire detection systems, CCTV, audio and video recording equipment, and all other generic (non-dedicated) electrical test support equipment. This DO will cover all maintenance agreements for propulsion wide electrical support items (paper chart recorders, magnetic tape recorders, intercom, etc.) for the Depot, 300 and 400 areas.

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A line item for general training will be included on all task plans. The value for training should equal 5% of the propulsion labor for the task.

2.2 Contractor Products/Services Required

- Skilled and qualified workforce
- Systems in expected state as defined above.
- Periodic maintenance on Fleet Lead and non-project specific signal conditioners and amplifiers
- Monthly status briefs
- Weekly cost accounting/tracking
- Support weekly scheduling meetings
- Review/update 50% of facilities support system WADs
- Review/update 20% of facilities support system WADs
- Review/update 25% of facilities support system O&M plans and database entries
- Identification of non-operational equipment at the beginning and end of the year
- Spares listing including location at beginning and end of year
- Review and updates of facilities support system files

2.3 Materials and Travel Requirements

Contractor to supply all material required.

Plan appropriate trips for training, vendor coordination, industrial conferences, etc.

2.4 Task Plan/Summary Sheet

5ID1004 300 elec.mpp

5ID1004.XLS

5ID1004 400 elec.mpp

5ID1004 DACS Maint.mpp

5ID1004 OSS elec.mpp

3. Schedule Requirements

Systems to be maintained for entire fiscal year unless otherwise negotiated with NASA Systems Engineer.

4. Cost Tracking Requirements

Charge Number	Rev	Function Codes	Fund Source	WSTF Overhead %	\$K Amounts	Charge Number Title
V60	B	SA	95720	22	6	300 Area Electrical- Preventive Maintenance

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VEA	D	SA	95715	22	26	300 Area Electrical- Preventive Maintenance
VEB	B	SA	95715	22	2.6	300 Area Electrical-Minor Repair
VEC	B	SA	95715	22	16.4	300 Area Electrical- Associated Maintenance Activities
VED	B	SA	95715	22	16.1	300 Area Electrical- Support Systems Operations
VEE	A	SA	95715	22	16	300 Area Electrical Preventive Maintenance- Project Management
VEX	-	SA	95715	22	21.7	300 Area Maintenance Calibration Support
V50	B	SA	95720	22	7	400 Area Elec-Materials
V51	B	SA	95720	22	29	Propulsion data recording equipment maintenance and repair.
VIA	B	SA	95715	22	35.5	400 Area Elec-Preventive Maintenance
VIB	B	SA	95715	22	2.6	400 Area Elec-Minor Repair
VIC	B	SA	95715	22	17.8	400 Area Elec-Associated Maintenance Activities
VID	B	SA	95715	22	14.3	400 Area Elec-Operations
VIE	A	SA	95715	22	26.8	400 Area Electrical Maintenance Management
VIX	-	SA	95715	22	15.5	400 AreaMaintenance Calibration Laboratory support
V40	B	VF	95720	22	162.3	DACS Maintenance Materials
VRA	F	VA	95715	22	111.3	DACS S/W and H/W Preventive Maintenance Labor
VRB	F	VA	95715	22	1.2	DACS S/W and H/W Repair

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						and Minor Modification Labor
VRC	E	VA	95715	22	27.3	DACS H/W and S/W Maintenance Administration
VRD	C	VA	95715	22	25.9	DACS Operations
VRE	A	VH	95715	22	14.3	DACS Project Management
V15	B	SA	95720	22	10	300 Area Elec. - Materials
V17	B	SA	95720	22	7.5	300 Tisdale Materials
V18	B	SA	95720	22	8	400 Tisdale Materials
VBA	D	SA	95715	22	38	300 area Electrical Facility-Preventative Maintenance
VBB	F	SA	95715	22	1.8	300 Area Electrical Facility-Minor Repair
VBC	D	SA	95715	22	6.4	300 Area Electrical Facility-Associated Maintenance Activities
VBD	B	SA	95715	22	6.1	300 Area Electrical Facility-Support Systems Operations
VBE	A	SA	95715	22	7	300 Area Electrical Facility-Project Management
VJA	E	SA	95715	22	37.8	400 Area Electrical Facility-Preventative Maintenance
VJB	E	SA	95715	22	2.4	400 Area Electrical Facility-Minor Repairs
VJC	E	SA	95715	22	10.8	400 Area Electrical Facility-Associated Maintenance Activities
VJD	B	SA	95715	22	9	400 Area Electrical Facility-Support Systems Operations
VJE	A	SA	95715	22	7.6	400 Area Electrical

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						Facility-Project Management
VPA	B	SA	95715	22	5.6	300/400 Area Tisdale- Preventative Maintenance
VPB	B	SA	95715	22	1.8	300/400 Area Tisdale- Minor Repairs
VPE	B	SA	95715	22	3	300/400 Area Tisdale- Project Management
Notes			Total \$K		758.4	

5. Evaluation Criteria

Evaluation to be made per standard Propulsion evaluation, including system availability. Increased scores will be provided for improvements that increase availability, reliability, capacity, performance, and documented knowledge of the systems that are obtained within the allocated maintenance funding for these systems.

Note: This is only a summary of revision history. Details of the changes must be contained in the text of the Delivery Order.

Rev	Approved	Change (+/- \$K)	Contract Value	Revision Summary
-	16-SEP-04	758.4	664.08291	Initial delivery order copied from 4ID1004